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Bacillus alcalophilus

COLLECTION: NCIMB - National Collection of Industrial and Marine Bacteria

STRAIN NUMBER: 10438

STRAIN_TYPE: Bacterium

STRAIN_NAME: Vedder2

EQUIVALENT_STRAINS: ATCC43592 NTCT4554
DSM2526

DEPOSITOR: T. Gibson

ISOLATED_FROM: Human faeces

REFERENCE: Vedder A. (1934) Ned. Tijdschr. Hyg. 1 pp141-147. Microbiology (1995) 141, 1745-1761

MEDIUM: alkalophile medium; 30C aerobic

GRAM_STAIN: gram negative

APPLICATIONS: Used as alkalophile



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Fungi, Yeasts, and Yeast Genetic Stock

**ATCC
Number:****48272** Order this item**Price:****\$145.00****Organism:***Acremonium chrysogenum* (Thirumalachar et Sukapure) Gams,
anamorph**Designations:** C-10**Depositors:** J. Lein**Biosafety
Level:**

1

Shipped:

freeze-dried

**Growth
Conditions:****ATCC** medium: 336 Potato dextrose agar (PDA)
Temperature: 24C

Related Products

Applications:	produces: cephalosporin C [RF11687] produces: isopenicillin N synthetase [RF10233] [RF22186] produces: deacetoxycephalosporin C synthetase [RF8625] produces: 5-(2-aminoadipyl)cysteinylvaline synthetase [ACV synthetase] [RF11322] [RF11701] produces: 18,000 mcg/ml cephalosporins in a complex medium [RF10685]
Descriptions:	Atypical
Subcollection:	Fungi
References:	<p>RF8625: Shen YQ et al. Desacetoxycephalosporin C synthetase: importance of order of cofactor/reactant addition. <i>Enzyme Microb. Technol.</i> 6: 402-404, 1984</p> <p>RF10233: Hollander IJ et al. A pure enzyme catalyzing penicillin biosynthesis. <i>Science</i> 224: 610-612, 1984 PubMed: 84172232</p> <p>RF10685: Shen YQ et al. Levels of isopenicillin N synthase and deacetoxycephalosporin C synthase in <i>Cephalosporium acremonium</i> producing high and low levels of cephalosporin C. <i>Bio-Technology</i> 4: 61-64, 1986</p> <p>RF11322: Zhang J et al. Carbon source regulation of ACV synthetase in <i>Cephalosporium acremonium</i> C-10. <i>Curr. Microbiol.</i> 18: 361-367, 1989</p> <p>RF11687: Malmberg LH and Hu WS. Identification of rate-limiting steps in cephalosporin C biosynthesis in <i>Cephalosporium acremonium</i>: a theoretical analysis. <i>Appl. Microbiol. Biotechnol.</i> 38: 122-128, 1992 PubMed: 93098928</p> <p>RF11701: Zhang J and Demail AL. Regulation of ACV synthetase activity in the beta-lactam biosynthetic pathway of carbon sources and their metabolites. <i>Arch. Microbiol.</i> 158: 364-369, 1992</p> <p>RF22186: Luengo JM et al. Direct enzymatic synthesis of penicillin G using cyclases of <i>Penicillium chrysogenum</i> and <i>Acremonium chrysogenum</i>. <i>Bio-Technology</i> 4: 44-47, 1986</p>

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ATCC 848272

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Fungi, Yeasts, and Yeast Genetic Stock

**ATCC
Number:**

20338

Order this item

Price:

\$170.00

Organism: *Acremonium kiliense* Grutz, anamorph deposited as *Cephalosporium acremonium* Corda, anamorph

Designations: mold 109 [CBS 895.71B]

Depositors: L. Grizzi

**Biosafety
Level:**

1

Shipped:

freeze-dried

**Growth
Conditions:** ATCC medium: 336 Potato dextrose agar (PDA)
Temperature: 24C

This material is cited in a U.S. and/or other Patent Application and may not be used to infringe the patent claims.

Related Products

Applications: produces: alkaline protease [\[RF10111\]](#) [\[RF10112\]](#)

Subcollection: Fungi

References: RF10111: Van Heyningen SV and Secher DS. A new alkaline protease from *Acremonium kiliense*. *Biochem. J.* 125: 1159-1160, 1971 PubMed: 72144902
RF10112: van Heyningen S. An alkaline protease from *Acremonium kiliense*. Specificity, kinetics and effects of pH. *Eur. J. Biochem.* 28: 432-437, 1972 PubMed: 73025158

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DSM 485 - *Bacillus alcalophilus* (Bacteria)**DSMZ**

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Name *Bacillus alcalophilus* Vedder 1934^{AL} (Bacteria)**DSM No.** 485= ATCC 27647, JCM 5262, NCIB 10436, NCIB 8772, NCTC 4553<- ATCC <- NCTC <- A. Vedder, strain 1. Human faeces (122, 6841). **Type****Information** **strain**. Taxonomy/description (1300, 2620, 3395, 3768). Non-alkaliphilic mutants (2431). Produces alkaline protease (Brit. Pat. 1,205,403). Alkaliphilic. (Medium 31, 37°C)**Medium** 31**Reference(s)** 122 , 170 , 1300 , 2431 , 2620 , 3395 , 3768 , 6841**Supplied as** (vacuum) dried culture (actively growing cultures available on request at an extra charge)**Price** EURO 20 (non-profit making institutions), EURO 51 (other institutions): Teaching
strain, reduced priceDSMZMicroorganisms

DSM 2526 - *Bacillus alcalophilus* (Bacteria)**DSMZ**

© by DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Braunschweig, Germany

Name ***Bacillus alcalophilus* Vedder 1934^{AL} (Bacteria)****DSM No.** 2526= NCIB 10438**Information** <- NCIB <- T. Gibson <- ? <- A. Vedder, strain 2. Human faeces (122).
Taxonomy/description (2620, 3395). Alkaliphilic. (Medium 31, 30°C).**Medium** 31**Reference(s)** 122 , 2620 , 3395**Supplied as** (vacuum) dried culture (actively growing cultures available on request at an extra charge)**Price** EURO 36 (non-profit making institutions), EURO 51 (other institutions): Normal price.DSMZMicroorganisms

Fusarium oxysporum Schlechtendahl emend. Snyder & Hansen fsp. ***niveum*** (E. F. Smith)
Snyder & Hansen

4471 **Accession:** 1950. KYA (H. Yoshii).

Cultivation: **medium 1**, 24°C.